



United States Environmental Protection Agency  
Washington, DC 20460

**Notice of Arrival of  
Pesticides and Devices**

Send Completed Form to  
Appropriate Regional Office  
Listed on the Reverse of this  
Form.

Form Approved  
OMB No. 2070-0020

Note: Read instructions on reverse before completing form.

**Part I: To Be Completed by Importer or Agent**

1. Name and Complete Address of Broker or Agent

FedEX TRADE NETWORK  
6050 Rockwell Rd  
Anchorage AK 99502

2. Name and Complete Address of Importer or Consignee

Product Safety Labs  
2394 US Highway 130  
DANTON NJ 08810

Return Form to this Address

Return Form to this Address

3. Name and Address of Shipper

LG GWANGHWAMUN BLDG.  
58 SAEMUNAN-RO, JONGNO-GU  
Seoul, 110-783 South Korea

4. EPA Registration Number

EXPERIMENTAL

5. EPA Producer Establishment No.

6. Brand name of Product

AZOXYSTROBIN 2.08 1b SC

7. Major Active Ingredients and Percentage of Each

AZOXYSTROBIN 22.9%

8. Unit Size

liter

9. Quantity

3

10. Total Net Weight

3 liters

11. Country of Origin

South Korea

12. Port of Entry

3195

13. Carrier

FED EX

14. Entry Number

79948995851

15. Entry Date

6/16/14

16. I assert that information constituting Confidential Business Information is shown in the above blocks numbered: (Note: Blocks 4, 5, 6, 7 are not entitled to CBI treatment—see Instructions)

17. Location of Goods for Examination after Importation

Product Safety Labs

18. Remarks

**Certification**

I certify that the statements I have made on this form and all attachments thereto are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

19. Printed Name of Importer or Agent

G. Hutchins-Booker

Telephone Number

732-438-5100

20. Signature of Importer or Agent

*G. Booker*

Date Signed

6/17/14

**Part II: To Be Completed by U.S. Environmental Protection Agency**

Action to be taken by U.S. Customs Service



Release Shipment



Detain for Inspection



Release shipment to consignee under bond. Shipment must



Other (Specify)

Remarks

Signature and Title of EPA Official

*LB*

Date

**Part III: To Be Completed by U.S. Customs Service**

The information shown in Part I was compared with the entry papers for this shipment and no discrepancies were noted. The shipment was handled as instructed by EPA in Part II. Any deviations should be brought to the attention of EPA before releasing shipment and

Remarks

Signature of District Director of Customs

Date

## Instructions

**Customs Regulations.** 19 CFR 12.112 requires an importer desiring to import pesticides or devices into the United States to submit EPA Form 3540-1, Notice of Arrival of Pesticides and Devices, to the U.S. Environmental Protection Agency prior to the arrival of shipment in the United States. This form will be used by:

**Importer or Agent.** The Importer or his agent must complete Part 1 of the form. It may be necessary to complete some of the items at the time of entry, e.g., entry data, carrier. To expedite the handling of pesticides shipments, submit this form to the EPA office listed below having jurisdiction over the state/territory in which the Port of Entry is located prior to the arrival of the shipment.

**EPA.** Part II of this form will be completed by EPA. EPA will retain the EPA Copy for its files and return the other copies to the importer or agent for presentation to Customs at the time of entry.

**Customs.** Customs will compare the information shown on this form with the entry documents and the shipment. Bring any discrepancies to the attention of EPA before the shipment is released and noted in the remarks section. If the importation is not handled by Customs in the manner instructed in Part II, this should also be noted in remarks. All data left blank by the importer (e.g., entry date) must be completed at this time. After completion of Part III and signing the form, Customs will return the Official File Copy to EPA and retain the Custom's Copy.

**The following blocks are self explanatory - 1, 2, 8, 9, 10, 12, 14, 15, 18, 19, and 20.**

**3. Name and Address of Shipper.** The name and address of person exporting the pesticide to the United States.

**4. EPA Registration No.** The product registration number assigned at the time of registration which identifies the product. If the product is a device, write the word 'device' in the block.

**5. EPA Producer Establishment No.** The producing establishment registration number which identified where the pesticidal product, active ingredient, or device was produced.

**6. Brand Name of Product.** Name under which the product is sold or distributed.

**7. Major Active Ingredients and Percentage of Each.** If block 4 contains registration number, leave blank. If no registration number, list active ingredients (or two major ingredients and percentage of each).

**11. Country of Origin.** The country in which the pesticide producer is located.

**13. Carrier.** E.g., ship's name, airline or trucking company.

**16. Confidential Business Information (CBI) designation.** Please note that the information provided in blocks 4, 5, 6, and 7 is not entitled to confidential treatment under section 7(d) of FIFRA and under labeling requirements for pesticides at 40 CFR 156.10. Information provided in those blocks will be made public with no further notice.

**17. Location of Goods for Examination after Importation.** Enter the EPA establishment number for importing registered establishment in the case of unregistered product imports between establishments operated by the same producer.

EPA Regional Offices	States Covered	EPA Regional Offices	States Covered
EPA Region I 1 Congress Street (SEA) Boston, MA 02114-2023	CT MA ME NH RI VT	EPA Region VI 1445 Ross Avenue Suite #1200 (6PD-P) Dallas, TX 75202-2733	AR LA NM OK TX
EPA Region II MS-500, Bldg #5 2890 Woodbridge Ave. Edison, NJ 08837-3679	NJ NY PR VI	EPA Region VII 901 N. 5 <sup>TH</sup> Street (PESTWWPD) Kansas City, KS 66101	IA KS MO NE
EPA Region III 1650 Arch Street (3WC32) Philadelphia, PA 19103-2029	DE DC MD PA VA WV	EPA Region VIII 999 18 <sup>th</sup> Street Suite #500 (8ENF/TEP) Denver, CO 80202-2466	CO MT ND SD UT WY
EPA Region IV 61 Forsyth Street, SW (APT-PS) Atlanta, GA 30303-8960	AL FL GA KY MS NC SC TN	EPA Region IX 75 Hawthorne Street (CMD-4-3) San Francisco, CA 94105-3901	AZ AS CA GU HI NV PI WK
EPA Region V 77 West Jackson Blvd.(DT-8J) Chicago, IL 60604-3507	IL IN OH MI MN WI	EPA Region X 1200 Sixth Avenue (ECO-084) Seattle, WA 98101-9797	AK ID OR WA

# Product Safety Labs

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June 17, 2014

To Whom It May Concern:

On behalf of LG Life Sciences this letter indicates the intent for the sample, Azoxystrobin 2.08 lb SC This sample has been sent from LG Life Sciences to Product Safety Labs located in New Jersey. The sample was sent in order to conduct testing to satisfy United States and European registration data requirements. The tests to be conducted are Acute Toxicity. The requested tests are expected to take approximately 3 months. After completion of testing, the samples will be disposed of appropriately. (i.e. hazardous disposal). The samples being sent are not production samples and are being used for testing purposes only.

Please do not hesitate to contact me with any questions or if you need additional information.

Regards,



Genevieve Hutchins-Booker  
Client Services

**Product Safety Labs** ([www.productsafetylabs.com](http://www.productsafetylabs.com))

2394 Highway 130 Suite E

Dayton, NJ 08810 USA

732-438-5100 ext 262

[Genahutchinsbooker@productsafetylabs.com](mailto:Genahutchinsbooker@productsafetylabs.com)

# Product Safety Labs

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June 17, 2014

To Whom It May Concern:

On behalf of LG Life Sciences and Product Safety Labs this letter indicates the sample label provided for Azoxystrobin 2.08 lb SC is a true and correct representation of the label that will accompany the R&D pesticide throughout its' analysis in the U.S.

Please do not hesitate to contact me with any questions or if you need additional information.

Regards,



Gena Hutchins-Booker  
Client Services

**Product Safety Labs** ([www.productsafetylabs.com](http://www.productsafetylabs.com))

2394 Highway 130 Suite E

Dayton, NJ 08810 USA

732-438-5100

[Genahutchinsbooker@productsafetylabs.com](mailto:Genahutchinsbooker@productsafetylabs.com)

**Product Safety Labs**

2394 US Highway 130 Suite E  
Dayton, NJ 08810  
USA

T | 732-438-5100  
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[psl@productsafetylabs.com](mailto:psl@productsafetylabs.com)  
[www.productsafetylabs.com](http://www.productsafetylabs.com)



# **LG Life Sciences**

## **AZOXYSTROBIN 2.08 Ib SC**

**Active Ingredients:**

Azoxystrobin ..... 22.9%  
Inert ingredients.....77.1%

Lot #: N/A

**For research and Development purposes only**

**Not for Sale**

**Expiration Date:**

N/A

**Storage :**

Ambient

20 YOIDO DONG YOUNGDUNGPO GU. SEOUL  
110-010 KOREA  
82 26924 3908

# COMMERCIAL INVOICE

<b>1. Shipper/Exporter</b> LG GWANGHWAMUN BLDG., 58, SAEMUNAN-RO, JONGNO-GU, SEOUL, 110-783, SOUTH KOREA  <p style="text-align: right;">110-783</p> ATTN : LEE KYENG MIN TEL : 82269243915		<b>8.No. &amp; date of Invoice</b> PEKR40141856 JUN, 12. 2014	
<b>2.For account &amp; risk of Messers.</b> PRODUCT SAFETY LABS 2394 US HIGHWAY 130 DAYTON NJ 08810  <p style="text-align: right;">08810</p> ATTN : JENNIFER DURANDO TEL : 7032660128		<b>9.No. &amp; date of contract</b> N/C	
<b>3.Notify party</b>		<b>10.L/C Issuing bank</b>	
<b>4.Port of loading</b> KOREA, REPUBLIC OF		<b>11.Remarks</b> NO COMMERCIAL VALUE VALUE FOR CUSTOMS PURPOSE ONLY	
<b>5.Final destination</b> UNITED STATES		<b>12.Marks &amp; Number of Pk</b> N/A	
<b>6.Vessel of Aircraft Name</b> BY AIR		<b>13.Description of Goods</b> AZOXYSTROBIN SAMPLE	
<b>7.Sailing on or about</b> JUN, 12. 2014		<b>14.Quantity/Unit</b> 3 BV	
<b>8.DAP</b> UNITED STATES		<b>15.Unit price</b> 1.00 USD	
<b>9.Amount</b> 3.00 USD		<b>16.Amount</b> 3.00 USD	
MATERIAL SAFETY DATA SHEET ATTACHED			
TOTAL :		3	1.00
		3	

5584 4690 2015

S/P

1 / 0.5kg

document Index - COMMERCIAL INVOICE

2

Class - Non-indexed documents

Document type

CI

Document description

COMMERCIAL INVOICE

**TOXIC SUBSTANCE CONTROL ACT (TSCA)**

**CERTIFICATION**

DATE: June 13, 2014

(CHECK ONE SECTION ONLY)

**POSITIVE CERTIFICATION:**

\_\_\_\_\_ "I CERTIFY THAT ALL CHEMICAL SUBSTANCES IN THIS SHIPMENT COMPLY WITH ALL APPLICABLE RULES OR ORDERS UNDER TSCA AND THAT I AM NOT OFFERING A CHEMICAL SUBSTANCE FOR ENTRY IN VIOLATION OF TSCA OR ANY APPLICABLE RULE OR ORDER THEREUNDER."

. OR .

**NEGATIVE CERTIFICATION:**

"I CERTIFY THAT ALL CHEMICALS IN THIS SHIPMENT ARE NOT SUBJECT TO TSCA."

COMPANY NAME: Product Safety Labs

COMPANY ADDRESS: 2394 US Highway 130 Dayton NJ 08810

AUTHORIZED NAME: Genevieve Hutchins-Booker

AUTHORIZED SIGNATURE: G Booker

TITLE: Sample Receipt Manager

FEDERAL EXPRESS AWB#: 558446702015

RETURN TO: Fed Ex Trade Network

IF THE CERTIFIER IS UNSURE IF THEIR CHEMICAL SUBSTANCE IS SUBJECT TO TSCA COMPLIANCE, CONTACT THE ENVIRONMENTAL PROTECTION AGENCY, TSCA ASSISTANCE OFFICE, WASHINGTON, D.C. (202) 554-1404 BETWEEN 8:30 AM AND 5:00 PM EST.

REVISED May 7, 1990

ORIGIN ID: SELA 82-2-6924-3915  
LEE KYENG MIN  
LG GWANGHWAMUN  
LG GWANGHWAMUN BLDG.  
58, SAEMUNAN-RO, JONGNO-GU  
SEOUL, 110-783  
SOUTH KOREA, KR

Ship Date: 13JUN14  
ActWgt: 8.5 KG MAX  
CAD: 6530874/65MM0659

Dims: 28x28x33 CM

EIN/VAT:

17032660128

TO JENNIFER DURANDO  
PRODUCT SAFETY LABS  
2394 US HIGHWAY 130

**FedEx**  
Express

DAYTON, NJ 08810

(US)



AWB



TRK# 5584 4670 2015

Form  
0430

XA ZRPA

IDG

PKG TYPE: CUSTOMER

1 of 1

INTL PRIORITY

*slp*

REF:  
DESC1: AZOKYSTROBIM SAMPLE (UN3082 CLASS 9 III)  
DESC2:  
DESC3:  
DESC4: Dangerous Goods as per attached DGD

COUNTRY MFG: KR  
CARRIAGE VALUE: 0.00 USD  
CUSTOMS VALUE: 3.00 USD

SIGN: LEE KYENG MIN  
T/C: 0 226825720  
D/T: R

134 AB  
P.

The Montreal or Warsaw Convention may apply and will govern and in most cases limit the liability of Federal Express for loss or delay of or damage to your shipment. Subject to the conditions of the contract on the reverse.

CONSIGNEE AWB COPY - PLEASE PLACE IN POUCH

document Index - AIR WAYBILL

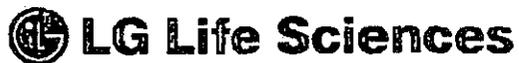
Class - Non-indexed documents

Document type

AWB

Document description

AIR WAYBILL



## MATERIAL SAFETY DATA SHEET

### Azoxystrobin 22,9% SC

Date of issue: 2014-06-11

Revision date: 2014-06-11

Version: R0002.0001

#### IDENTIFICATION

##### A. Product name

- Azoxystrobin 22.9% SC [ASB 22.9 SC]

##### B. Recommended use and restriction on use

- General use : Fungicide
- Restriction on use : Not available

##### C. Manufacturer / Supplier / Distributor Information

###### o Manufacturer information

- Company name : LG Life Sciences, Ltd
- Address : 19, Ijin-ro, Onsan-eup, Ulju-gun, Ulsan, 689-896, Korea
- Dept. :
- Telephone number : 82-52-231-5324
- Emergency telephone number : 82-52-231-5081
- Fax number : 82-52-231-5328
- E-mail address :

###### o Supplier/Distributor information

- Company name :
- Address :
- Dept. :
- Telephone number :
- Emergency telephone number :
- Fax number :
- E-mail address :

#### HAZARD IDENTIFICATION

##### A. GHS Classification

- Acute Toxicity (Inhalation; dust / mist) : Category 4

##### B. GHS label elements

###### o Hazard symbols



###### o Signal words

- Warning

###### o Hazard statements

- H332 Harmful if inhaled

###### o Precautionary statements

###### 1) Prevention

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271 Use only outdoors or in a well-ventilated area.

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**2) Response**

- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.

**3) Storage**

- Not applicable

**4) Disposal**

- Not applicable

**C. Other hazards which do not result in classification : (NFPA Classification)**

o NFPA grade (0 - 4 level)

- Health : 0, Flammability : 2, Reactivity : 0

**COMPOSITION INFORMATION ON INGREDIENTS**

Chemical Name	Trade names and Synonyms	CAS No.	Content(%)
Water	Dihydrogen oxide	7732-18-5	63,35
Azoxystrobin	-	131860-33-8	22,9
Propylene glycol	1,2-Dihydroxypropane	57-55-6	8
proprietary components	-	-	5,5114
Xanthan gum	Xanthane gum	11138-66-2	0,2
1,2-Benzisothiazol-3(2H)-one	1,2-Benzisothiazol-3-one	2634-33-5	0,0386

**FIRST AID MEASURES****A. Eye contact**

- Do not rub your eyes.
- Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician.

**B. Skin contact**

- Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
- Laundering enough contaminated clothing before reuse.

**C. Inhalation contact**

- When exposed to large amounts of steam and mist, move to fresh air.
- Take specific treatment if needed.
- If breathing is stopped or irregular, give artificial respiration and supply oxygen.

**D. Ingestion contact**

- About whether I should induce vomiting Take the advice of a doctor.
- Rinse your mouth with water immediately.

**E. Delayed and immediate effects and also chronic effects from short and long term exposure**

- Not available

**F. Notes to physician**

- Notify medical personnel of contaminated situations and have them take appropriate protective measures.

**EXTINGUISHING MEASURES****A. Suitable (Unsuitable) extinguishing media**

- Dry chemical, carbon dioxide, regular foam extinguishing agent, spray
- Avoid use of water jet for extinguishing

**B. Specific hazards arising from the chemical**

- Not available

**C. Special protective actions for firefighters**

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- Cool containers with water until well after fire is out.
- Keep unauthorized personnel out.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- Notify your local firestation and inform the location of the fire and characteristics hazard.
- Using unattended and water devices in case of large fire and leave alone to burn if you do not imperative.
- Keep containers cool with water spray.
- Vapor or gas is burned at distant ignition sources can be spread quickly.

## ACCIDENTAL RELEASES

### A. Personal precautions, protective equipment and emergency procedures

- Wear proper personal protective apparatus as indicated in Section 8 and avoid skin contact and inhalation.
- Must work against the wind, let the upwind people to evacuate.
- Do not touch spilled material. Stop leak if you can do it without risk.
- Move container to safe area from the leak area.
- Do not direct water at spill or source of leak.

### B. Environmental precautions

- Prevent runoff and contact with waterways, drains or sewers.
- If large amounts have been spilled, inform the relevant authorities.

### C. Methods and materials for containment and cleaning up

- Large spill : Stay upwind and keep out of low areas. Dike for later disposal.
- Notification to central government, local government. When emissions at least of the standard amount
- Dispose of waste in accordance with local regulation.
- Appropriate container for disposal of spilled material collected.
- Small leak: sand or other non-combustible material, please let use absorption.
- Wipe off the solvent.
- Dike for later disposal.

## TRANSFERT AND STORAGE

### A. Precautions for safe handling

- Avoid contact with incompatible materials.
- Dealing only with a well-ventilated place.
- Do not handle until all safety precautions have been read and understood.
- Do not inhale the steam prolonged or repeated.

### B. Conditions for safe storage, including any incompatibilities

- Save in cool, dry and well ventilated place.
- Do not apply direct heat.
- Save applicable laws and regulations.
- Avoid direct sunlight.
- Prevent static electricity and keep away from combustible materials or heat sources.

## EXPOSURE CONTROLS/PERSONAL PROTECTION

### A. Exposure limits

- o ACGIH TLV
  - Not available

### B. Engineering controls

- A system of local and/or general exhaust is recommended to keep employee exposures above the Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. The use of local exhaust ventilation is recommended to control emissions near the source.

### C. Personal protective equipment

- o Respiratory protection

- Under conditions of frequent use or heavy exposure, Respiratory protection may be needed.
- Respiratory protection is ranked in order from minimum to maximum.
- Consider warning properties before use.
- Any chemical cartridge respirator with organic vapor cartridges).
- Any chemical cartridge respirator with a full facepiece and organic vapor cartridges).
- Any air-purifying respirator with a full facepiece and an organic vapor canister.
- For Unknown Concentration or Immediately Dangerous to Life or Health : Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece.
- o **Eye protection**
  - Wear primary eye protection such as splash resistant safety goggles with a secondary protection face shield.
  - Provide an emergency eye wash station and quick drench shower in the immediate work area.
- o **Hand protection**
  - Wear appropriate glove.
- o **Skin protection**
  - Wear appropriate clothing.
- o **Others**
  - Not available

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>A. Appearance</b>	
- Appearance	suspension
- Color	off-white to yellow
<b>B. Odor</b>	Not determined
<b>C. Odor threshold</b>	Not available
<b>D. pH</b>	7.0(1% solution)
<b>E. Melting point/Freezing point</b>	Not available
<b>F. Initial Boiling Point/Boiling Ranges</b>	Not available
<b>G. Flash point</b>	80 °C
<b>H. Evaporation rate</b>	Not available
<b>I. Flammability(solid, gas)</b>	Not available
<b>J. Upper/Lower Flammability or explosive limits</b>	Not available
<b>K. Vapour pressure</b>	Not available
<b>L. Solubility</b>	Not available
<b>M. Vapour density</b>	Not available
<b>N. Specific gravity</b>	Not available
<b>O. Partition coefficient of n-octanol/water</b>	Not available
<b>P. Autoignition temperature</b>	Not available
<b>Q. Decomposition temperature</b>	Not available
<b>R. Viscosity</b>	Not available
<b>S. Molecular weight</b>	Not available

**TOXICITY AND HAZARD INFORMATION**

- A. Chemical stability**
  - This material is stable under recommended storage and handling conditions.
- B. Possibility of hazardous reactions**
  - Hazardous Polymerization will not occur.
- C. Conditions to avoid**
  - Avoid contact with incompatible materials and condition.
  - Avoid : Accumulation of electrostatic charges, Heating, Flames and hot surfaces
- D. Incompatible materials**
  - Not available

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**E. Hazardous decomposition products**

- May emit flammable vapour if involved in fire.

**A. Information on the likely routes of exposure**

- o (Respiratory tracts)
  - Not available
- o (Oral)
  - Not available
- o (Eye-Skin)
  - Not available

**B. Delayed and immediate effects and also chronic effects from short and long term exposure**

- o Acute toxicity
  - \* Oral
    - [Water] : LD50 = 90000 mg/kg Rat
    - [Azoxystrobin] : LD50 > 5000 mg/kg Rat
    - [Propylene glycol] : LD50 = 2000 mg/kg Rat
    - [Xanthan gum] : LD50 45000 mg/kg Rat
    - [1,2-Benzisothiazol-3(2H)-one] : LD50 = 1020 mg/kg Rat
  - \* Dermal
    - [Azoxystrobin] : LD50 > 2000 mg/kg Rat
    - [Propylene glycol] : LD50 > 16000 mg/kg Rabbit
  - \* Inhalation
    - Not available
- o Skin corrosion/irritation
  - Not available
- o Serious eye damage/irritation
  - Not available
- o Respiratory sensitization
  - Not available
- o Skin sensitization
  - Not available
- o Carcinogenicity
  - \* IARC
    - Not available
  - \* OSHA
    - Not available
  - \* ACGIH
    - Not available
  - \* NTP
    - Not available
  - \* EU CLP
    - Not available
- o Germ cell mutagenicity
  - Not available
- o Reproductive toxicity
  - Not available
- o STOT-single exposure
  - Not available
- o STOT-repeated exposure
  - Not available
- o Aspiration hazard
  - Not available

**A. Ecotoxicity**

- o Fish
  - [Azoxystrobin] : LC50 0.47 mg/l 96 hr Oncorhynchus mykiss
  - [Propylene glycol] : LC50 = 710 mg/l 96 hr Oncorhynchus mykiss
  - [Xanthan gum] : LC50 420 mg/l 96 hr Oncorhynchus mykiss
  - [1,2-Benzisothiazol-3(2H)-one] : LC50 = 10 mg/l 96 hr
- o Crustaceans
  - [Azoxystrobin] : EC50 190 ug/l 48 hr Daphnia magna
  - [Propylene glycol] : EC50 > 1000 ug/l 48 hr Daphnia magna
  - [1,2-Benzisothiazol-3(2H)-one] : EC50 = 4.4 ug/l 48 hr
- o Algae
  - [Propylene glycol] : EC50 > 1000 ug/l 72 hr Selenastrum capricornutum

**B. Persistence and degradability**

- o Persistence
  - [Water] : log Kow = -1.38
  - [Azoxystrobin] : log Kow 2.50(Experimental Value)
  - [Propylene glycol] : log Kow = -1.4
- o Degradability
  - Not available

**C. Bioaccumulative potential**

- o Bioaccumulative potential
  - [Azoxystrobin] : BCF 20.73
  - [Propylene glycol] : BCF < 1
- o Biodegradation
  - [Propylene glycol] : Biodegradability > 60 (%) 10 day

**D. Mobility in soil**

- Not available

**E. Other adverse effects**

- Not available

**ENVIRONMENTAL CONSIDERATIONS**

**A. Disposal methods**

- Since more than two kinds of designed waste is mixed, it is difficult to treat separately, then can be reduction or stabilization by incineration or similar process.
- If water separation is possible, pre-process with Water separation process.
- Dispose by incineration.

**B. Special precautions for disposal**

- The user of this product must disposal by oneself or entrust to waste disposer or person who other's waste recycle and dispose, person who establish and operate waste disposal facilities.
- Dispose of waste in accordance with all applicable laws and regulations.

**ENVIRONMENTAL INFORMATION**

**A. UN No. (IMDG)**

- 3082

**B. Proper shipping name**

- Environmentally hazardous substances, liquid, n.o.s.

**C. Hazard Class**

- 9

**D. IMDG Packing group**

- III

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**E. Marine pollutant**

- Not applicable

**F. Special precautions for user related to transport or transportation measures**

- Local transport follows in accordance with Dangerous goods Safety Management Law.
- Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.
- EmS FIRE SCHEDULE : F-A (General fire schedule)
- EmS SPILLAGE SCHEDULE : S-F (Water-soluble marine pollutants)

**REGULATORY INFORMATION**

**A. National and/or international regulatory information**

- o **POPs Management Law**
  - Not applicable
- o **Information of EU Classification**
  - \* **Classification**
    - [Azoxystrobin] : T; R23, N; R50 R53
    - [1,2-Benzisothiazol-3(2H)-one] : Xn; R22 Xi; R38-41 R43 N; R50
  - \* **Risk Phrases**
    - [Azoxystrobin] : R23, R50, R53
    - [1,2-Benzisothiazol-3(2H)-one] : R22, R38, R41, R43, R50
  - \* **Safety Phrase**
    - [Azoxystrobin] : S:(1/2)-22-45-60-61
    - [1,2-Benzisothiazol-3(2H)-one] : S2, S24, S26, S37/39, S61
- o **U.S. Federal regulations**
  - \* **OSHA PROCESS SAFETY (29CFR1910.119)**
    - Not applicable
  - \* **CERCLA Section 103 (40CFR302.4)**
    - Not applicable
  - \* **EPCRA Section 302 (40CFR355.30)**
    - Not applicable
  - \* **EPCRA Section 304 (40CFR355.40)**
    - Not applicable
  - \* **EPCRA Section 313 (40CFR372.65)**
    - Not applicable
- o **Rotterdam Convention listed ingredients**
  - Not applicable
- o **Stockholm Convention listed ingredients**
  - Not applicable
- o **Montreal Protocol listed ingredients**
  - Not applicable

**GENERAL INFORMATION**

**A. Reference**

- The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability or fitness for a particular purpose is made with respect to the product or the information contained herein.
- This Safety Data Sheet was compiled with data and information from the following sources: KOSHA, NITE, ESIS, NLM, SIDS, IPCS

**B. Issue date**

- 2014-06-11

**C. Revision number and Last date revised**

- 3 times, 2014-06-11

**D. Other**

- This MSDS is prepared according to the Globally Harmonized System (GHS).

7/7

SHIPPER'S DECLARATION FOR DANGEROUS GOODS

Shipper LG GWANGHWAMUN LG GWANGHWAMUN BLDG., 58, SAEMUNAN-RO, JONGNO-GU. SEOUL, KOREA TEL:82-2-6924-3915	Air Waybill No. 558-446702015  Page 1 of 1 pages Shipper's Reference Number <i>(optional)</i>
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Consignee PRODUCT SAFETY LABS 2394 US HIGHWAY 130 DAYTON NJ 08810 U.S.A.  TEL:1-703-266-0128 ATTN:JENNIFER DURANDO	
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Two completed and signed copies of this Declaration must be handed to the operator

<b>TRANSPORT DETAILS</b> This shipment is within the limitations prescribed for : <i>(delete non-applicable)</i>		Airport of Departure  INCHEON AIRPORT, KOREA	<b>WARNING</b>  Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.
PASSENGER AND CARGO AIRCRAFT			
Airport of Destination  AMARILLO, TX USA	Shipment type : <i>(delete non-applicable)</i> NON-RADIOACTIVE <del>XXXXXXXXXXXX</del>		

**NATURE AND QUANTITY OF DANGEROUS GOODS**

Dangerous Goods Identification						
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Risk)	Pack-ing Group	Quantity and type of packing	Pack-ing inst.	Authori-zation
UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (AZOXYSTROBIN MIXTURE)	9	III	1 FIBREBOARD BOX X 5 L	964	

**Additional Handling Information**

\*\* EMERGENCY TEL : 1-703-266-0128  
 ATTN : JENNIFER DURANDO

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled / placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.	Name/Title of Signatory LEE JAE BEOM/MANAGER Place and Date . SEOUL / 12. JUN. 2014 Signature <i>(see warning above)</i> 
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# NON-RADIOACTIVE 2014 DG Acceptance Checklist

Tracking # 5584 4670205  
 Date 13 Jun 14

The continued offering of non-compliant dangerous goods packages may result in the embargo of your dangerous goods shipments by FedEx Express

**DIRECTIONS:** Mark the appropriate box for each item to indicate if the shipment complies with the requirement.

ORM-D-AIR shipments are prohibited. These shipments must be prepared using the IATA Dangerous Goods Regulations. [HM-215K]

- 1. DG shipment acceptable to destination location. [SRG]  Y  N  NA
- 2. Package in good condition and free of leakage, odor, or external damage. [5.0.2.4.1]  Y  N  NA
- 3. 023 air waybill (IP1, IXF, ATA): Correct statements, as appropriate, in Handling Information box. [8.2.1]  Y  N  NA
- 4. Complies with all applicable State and Operator variations. [2.8] If USG-04, "RQ" is indicated before or after basic description on declaration when marked on the package; "RQ" is marked on package when on declaration.  Y  N  NA
- 5. Shipment not forbidden. [4.2]  Y  N  NA
- 6. If A20 in blue pages, Keep Away From Heat label, declaration statement, and technical name when required per Appendix Tables C.1 or C.2 [7.2.4.5; 8.1.6.9.4 (f)]  Y  N  NA

**ON THE DECLARATION ONLY**  
Tracking number may be completed by Shipper or DG Specialist. Shipper must provide 3 copies in English and at least 2 copies with red hatchings. [FX-14]

- 7. Shipper and Consignee name and full address. For 023 shipments, shipper's address includes country name. [8.1.6.1; 8.1.6.2]  Y  N  NA
- 8. Shipper's Declaration prepared per FX-18 (does not apply to 023 shipments or shipments originating in U.S. territories or non-U.S. locations).  Y  N  NA
- 9. Typewritten or computer-generated. [FX-12]  Y  N  NA
- 10. Page of Pages. [8.1.6.4]  Y  N  NA
- 11. Passenger and Cargo Aircraft or Cargo Aircraft Only limitations indicated. [8.1.6.5]  Y  N  NA
- 12. Non-radioactive indicated. [8.1.6.8]  Y  N  NA
- 13. UN or ID number preceded by prefix "UN" or "ID". [8.1.6.9.1]  Y  N  NA
- 14. Proper Shipping Name, including technical name in brackets ( ) or "SAMPLE" for \* entries. UN 2814 or UN 2900: Technical name in parentheses or "suspected category A infectious substance" in brackets [3.11.2; 4.1.2.1(d); 8.1.6.9.1, Step 2]  Y  N  NA
- 15. Class or Division number(s), and when 1.4 indicated, Compatibility Group letter included (handwritten acceptable), matching Column C of 4.2. [8.1.6.9.1, Step 3]  Y  N  NA
- 16. Subsidiary risk(s) in brackets ( ) immediately following class or division, matching Column C of 4.2. [8.1.6.9.1 Step 4]  Y  N  NA
- 17. Packing Group (e.g., I, II, or III), matching column E. If SAMPLE used as technical name, Shipper selects most restrictive packing group for Proper Shipping Name. [3.11.1; 8.1.6.9.1, Step 5]  Y  N  NA
- 18. Number of packages and type of packaging (e.g., 1 fibreboard box, 1 box fibreboard, or 1 4G fibreboard box). [8.1.6.9.2, Step 6]  Y  N  NA
- 19. Net quantity or gross weight per package (in metric units), not exceeding Packing Instruction maximum per package. [8.1.6.9.2, Step 8(a)]  Y  N  NA
- 20. Packing instruction (e.g., 361 or Y441). [8.1.6.9.3]  Y  N  NA
- 21. If required by State or Operator variation, Competent Authority or DOT-SP/E approval number indicated on declaration and approval document attached when needed. [8.1.6.9.4, Step 9(b)]  Y  N  NA
- 22. "I declare that all of the applicable air transport requirements have been met" statement. [8.1.6.12.2]  Y  N  NA

- 23. 24-hour emergency response telephone number if required by State or Operator variation. [2.8; USG-12]  Y  N  NA
- 24. Name, title, place, date, and shipper's signature (may be typewritten for U.S. domestic shipments, including U.S. territories). [8.1.4.1; 8.1.6.13-15]  Y  N  NA
- 25. Shipper's same signature next to amendments and alterations (changes). [8.1.2.6]  Y  N  NA

- ON THE PACKAGE ONLY**
- 26. Number and type of packaging corresponds to declaration, large enough to support all markings, labels, documentation and none placed on bottom of package. FedEx branded packaging, including brown boxes, not used. [5.0.1.2; 5.0.2.4; FX-11]  Y  N  NA
  - 27. Shipper and Consignee name and full address marked on package. [7.1.4.1(b)]  Y  N  NA
  - 28. UN or ID number preceded by prefix "UN" or "ID" and meets size requirements. [7.1.4.1(a); 7.1.4.4]  Y  N  NA
  - 29. Proper Shipping Name, including technical name in brackets ( ) or "SAMPLE" for \* entries. [7.1.4.1(a)]  Y  N  NA
  - 30. Package permitted by Packing Instruction. [Section 5]  Y  N  NA
  - 31. Packaging: Package type code, and performance rating (X, Y, Z) corresponds with Packing Group (I, II or III) unless further limited by Packing Instruction, Special Permit, or Special Provision and does not exceed gross weight capability (not required for Overpack). Handwritten specification markings unacceptable. [6.0.4]  Y  N  NA
  - 32. More than one package, net quantity or gross weight (G) as indicated in columns H, J, and L marked on package. Not applicable to ID 8000 or when contents are same UN#, PSN, packing group, and quantity. [7.1.4.1(c)]  Y  N  NA
  - 33. Dry Ice: Net weight marked on package in kilograms. [7.1.4.1(d)]  Y  N  NA
  - 34. UN 3358: Package marked with DOT31FP specification marking. [FX-13; USG-18]  Y  N  NA
  - 35. For U.S., DOT-SP/E approval number when required.  Y  N  NA
  - 36. Primary hazard label(s), matching column D. Hazard label on same surface as Proper Shipping Name marking when package dimensions are adequate. [7.2.3; 7.2.6.2]  Y  N  NA
  - 37. Subsidiary risk label(s), matching column D, affixed on same surface of package near hazard label(s) when required. [7.2.3; 7.2.6.2]  Y  N  NA
  - 38. Cargo Aircraft Only label when required must be affixed on same surface of package near hazard label(s). [7.2.4.2; 7.2.6.3]  Y  N  NA
  - 39. Markings and label(s) meeting IATA specifications, correctly applied (not obscured or covering required markings); irrelevant markings/labels removed or obliterated. [7.1; 7.2]  Y  N  NA
- LIMITED QUANTITY OR LTD QTY**  
"Y" marking not more than 50% smaller than standard size may be used. [Figure 7.1.A]
- 40. Limited Quantity "Y" marking on package when Y packing instruction used. [Figure 7.1.A]  Y  N  NA
  - 41. Gross weight of package must not exceed 30 kg (66 lb) unless Overpacked. [2.7.4.2]  Y  N  NA
- EXPLOSIVES (CLASS 1)**
- 42. If 023 air waybill, required by state variation (e.g. Singapore), or originating in a non-US location, FedEx pre-approval required. [FX-01]  Y  N  NA



# NON-RADIOACTIVE 2014 DG Acceptance Checklist

Tracking # 584 460 2015  
 Date 13 Jun 14

The continued offering of non-compliant dangerous goods packages may result in the embargo of your dangerous goods shipments by FedEx Express

- 43. If required by State or Operator variation, approval attached and/or approval number indicated on declaration, or marked on outer package, or both. [8.1.8.9.4; USG-05; USG-18] For U.S., not required for ammunition, including Cartridges, Small Arms:
  - IHC, NSN or DOT-SP/E: Approval number on declaration and (when required) by Special Permit package. Paperwork accompanies shipment. OR
  - CA, EX or FC: Approval number on declaration and/or package Y  N  N/A
- 44. Primary hazard label for explosives includes Compatibility Group letter (may be handwritten). [7.2.3.3(b)]  Y  N
- 45. Net Explosive Mass (NEQ, NEM, NEW, or NEC) shown on declaration. [8.1.6.9.2, Step 6(f); Appendix A]  Y  N
- 46. Packing Instruction 101: Competent Authority statement on declaration.  Y  N  N/A
- 47. Fireworks 1.4G or Fireworks 1.4S: Shipper on Fireworks Shipper Approval list.  Y  N  N/A
- 48. Fireworks (UN 0338 or UN 0337): Declaration includes Classification reference by appropriate Competent Authority (e.g. GB/HSE123456, USA EX20091234, etc.). [8.1.8.11.5]  Y  N  N/A
- 49. UN 0503; EX #, CA # or Product Code. [USG-18]  Y  N  N/A
- GASES (CLASS 2)**  
Labels of reduced size may be affixed to the shoulder of a compressed gas cylinder.  Y  N  N/A
- 50. Compressed Gas Cylinder (outer package): Specification markings stamped, engraved or etched. [8.4.2.7.1]  Y  N  N/A
- 51. UN 1070, UN 2451, UN 3158 or UN 3167: Rigid outer packaging and marked DOT31FP (unless Overpack). [FX-13; USG-18]  Y  N  N/A
- 52. UN 1072: In ATA Specification 300/Category I container and DOT31FP (unless Overpack). [FX-13; USG-18]  Y  N  N/A
- 53. UN 1067 Lighters (Only): Approval number on declaration and marked on package. [USG-07]  Y  N  N/A
- Packing Instruction 202:**  Y  N  N/A
- 54. Required markings per PI202 and Cryogenic label. [7.1.4.1 (f); 7.2.4.3]  Y  N
- 55. "DO NOT DROP - HANDLE WITH CARE" on package. [7.1.4.1(f)]  Y  N
- 56. "KEEP UPRIGHT" at 120-degree intervals around cylinder or on each side of package. [7.1.4.1(f)]  Y  N
- 57. Two Package Orientation labels (Up Arrows). [7.1.4.1(f)]  Y  N
- 58. Instructions to be followed in event of emergency, delay, or if shipment is unclaimed. [7.1.4.1(f)]  Y  N  N/A
- DANGEROUS WHEN WET (DIVISION 4.3) PRIMARY OR SUBSIDIARY RISK**  
For international shipments destined to the U.S., HAL at FedEx staffed facility.  Y  N  N/A
- 59. U.S. domestic shipments: DOT-SP/E approval number indicated on declaration and marked on package. Copy of DOT-SP/E letter provided. [FX-10]  Y  N  N/A
- 60. U.S. domestic shipments: Net quantity or gross weight (in metric units) as allowed per DOT-SP/E.  Y  N  N/A
- TOXICS (DIVISION 8.1) PRIMARY OR SUBSIDIARY RISK**  Y  N  N/A
- 61. International shipments: Packing Group I or II (except UN 1230, Methanol), package "V-rated." [FX-02]  Y  N  N/A
- 62. U.S. domestic shipments: Packing Group I or II (except UN1230, Methanol), DOT-SP/E approval number indicated on declaration and marked on package. Copy of DOT-SP/E letter provided.  Y  N  N/A
- 63. U.S. domestic shipments: Net quantity or gross weight (in metric units) as allowed per DOT-SP/E.  Y  N  N/A
- 64. Packing Group III shipment to/from/through/within U.S.: "PG III" written adjacent (not opposite side) to label. [FX-02]  Y  N  N/A
- INFECTIOUS SUBSTANCES (DIVISION 6.2)**  
Labels may be reduced by 50%. [7.2.2.3.1]  N/A
- 65. Name and telephone number of person responsible for shipment on declaration and package. [7.1.4.1(e); 8.1.8.11.4]  Y  N
- 66. \* (package type code) Class 6.2 unless Overpacked. [6.5.3.1.2]  Y  N
- ALL PACKED IN ONE**  N/A
- 67. Dangerous goods compatible. [5.0.2.11(b); Table 9.3.A; if to or from the US, must also comply with Title 49CFR 177.848]  Y  N
- 68. "All Packed In One" and packaging type on declaration. [8.1.6.9.2, Step 6(f)]  Y  N
- 69. When required, "Q" value (to one decimal place) shown on declaration and does not exceed 1.0. See 2.7.5.8(e) and 5.0.2.11(h) for exceptions. [2.7.5.8 (f); 8.1.6.9.2(g)]  Y  N  N/A
- OVERPACKS**  N/A
- 70. Dangerous goods compatible. [5.0.1.5.1; Table 9.3.A; if to or from the US, must also comply with Title 49CFR 177.848]  Y  N
- 71. "Overpack Used" on declaration. [8.1.6.9.2, Step 7]  Y  N
- 72. "Overpack" on package when marking(s) and label(s) not visible. [7.1.7.1]  Y  N
- 73. When different DG are packed in same Overpack and require multiple hazard labels, labels adjacent to each other (not opposite side). [7.2.8.2.4]  Y  N  N/A
- 74. More than one Overpack used, unique identification mark (tracking number may be used) and total quantity of DG by UN # (including unit of measure) on both declaration and package. [7.1.7.2; Figure 8.1.L and 8.1.M]  Y  N  N/A
- 75. Cargo Aircraft Only Overpack restrictions met. [5.0.1.5.3]  Y  N  N/A

If there are any discrepancies indicated, your shipment cannot be transported by FedEx Express. In the U.S., this shipment is returned to the Shipper using DOT-SP 14891. In the U.S., call 1.800.GoFedEx and press "81" for assistance. For non-U.S. locations, please contact your local Customer Service representative.

Printed or other static representations of this document are considered uncontrolled and for reference only.

ACCEPTED  REJECTED

Inspected By [Signature]  
Employee# 49108

Shipper Contact Name \_\_\_\_\_

Shipper Contact Phone# \_\_\_\_\_

Shipper Account# \_\_\_\_\_

Company or  Individual Name Provided

Class - Non-indexed documents

Document type  
OTH USC

Document description  
OTHER DOCUMENTS SUBMITTED TO CUSTOMS